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PTO/SB/17 (10-08)  
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<b>FEE TRANSMITTAL</b> <b>For FY 2009</b>		<b>Complete if Known</b>	
		Application Number	10/649,591
		Filing Date	August 26, 2003
		First Named Inventor	Sanford D. Markowitz
		Examiner Name	S. L. Rawlings
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Art Unit	1643
<b>TOTAL AMOUNT OF PAYMENT</b>		(\$)	1,175.00
		Attorney Docket No.	CWRU-P03-003

**METHOD OF PAYMENT** (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_  
☒ Deposit Account Deposit Account Number: 18-1945 Deposit Account Name: Ropes & Gray LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee  
☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

**FEE CALCULATION**

**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	330	165	540	270	220	110	
Design	220	110	100	50	140	70	
Plant	220	110	330	165	170	85	
Reissue	330	165	540	270	650	325	
Provisional	220	110	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	52	26
Each independent claim over 3 (including Reissues)	220	110
Multiple dependent claims	390	195

**Total Claims**      **Extra Claims**      **Fee (\$)**      **Fee Paid (\$)**      **Multiple Dependent Claims**  
\_\_\_\_\_ - or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_  
Fee (\$)      Fee Paid (\$)  
HP = highest number of total claims paid for, if greater than 20.

**Indep. Claims**      **Extra Claims**      **Fee (\$)**      **Fee Paid (\$)**  
\_\_\_\_\_ - or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_  
HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$270 (\$135 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

**Total Sheets**      **Extra Sheets**      **Number of each additional 50 or fraction thereof**      **Fee (\$)**      **Fee Paid (\$)**  
\_\_\_\_\_ - 100 = \_\_\_\_\_ / 50 = \_\_\_\_\_ (round up to a whole number) x \_\_\_\_\_ = \_\_\_\_\_

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)  
Other (e.g., late filing surcharge): 2255 Extension for response within fifth month      1,175.00

<b>SUBMITTED BY</b>			
Signature	<i>Soo Kim</i>	Registration No. (Attorney/Agent)	63,565
Name (Print/Type)	Soo Kim, Ph.D.	Telephone	(617) 951-7671
		Date	April 13, 2009

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: MS AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: 4/13/09      Signature: *Ginny Blundell*      (Ginny Blundell)